UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,848	01/13/2006	Ku-Bong Min	2080-3483	2342

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EXAMINER
KEEHN, RICHARD G

ART UNIT	PAPER NUMBER
4121	

MAIL DATE	DELIVERY MODE
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/564,848	MIN ET AL.
	Examiner	Art Unit	
	Richard G. Keehn	4121	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 January 2006*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-38* is/are pending in the application.

   4a) Of the above claim(s) *1-20* is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *21-38* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *21 May 2007* is/are: a)☐ accepted or b)☒ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a)☒ All   b)☐ Some * c)☐ None of:

   1.☒ Certified copies of the priority documents have been received.

   2.☐ Certified copies of the priority documents have been received in Application No. _____.

   3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
   Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Claims 1-20 have been cancelled by the applicant.

Claims 21-38 have been examined and are pending.

Drawings

1.   The drawings were received on 5/21/2007. These drawings are Figures 1-11.

2.   The drawings are objected to because several items lack numbers in Figures 1, 2 and 3. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3.   Claims 21-38 are rejected under 35 U.S.C. 102(b) as being anticipated by US

2003/0046338 A1 (Runkis).

As to Claim 21, Runkis teaches a method for delivering content playback related

information between devices, the method comprising:

obtaining state information from at least one service (Runkis, Page 6, paragraph

0072 recites user-generated data files to be transmitted to the central controller);

invoking an action to a device to store the state information in the device (Runkis,

Page 6, paragraph 0072 recites user-generated data files being stored in a non-volitile

storage medium),

wherein the state information is included in the action as an input argument

(Runkis, Page 4, paragraph 0049 recites the use of multiple PANO objects which are a

superobject encompassing both software and hardware. Page 5, paragraph 0065

recites that the PANO monitors, controls and regulates data transfers across a network.

Page 6, paragraph 0073 recites that the server in this PANO network is the central

controller's database, wherein the user's preference codes are transferred as an input argument to the central controller); and

storing the state information in the device according to the action (Runkis, Page 6, paragraph 0073 recites user-generated data files being stored in the central controller's database).

As to Claim 22, Runkis teaches the method of claim 21, wherein the at least one service is related to playback of content (Runkis, Page 7, paragraph 0078 recites a service being an audio/visual service and rendering).

As to Claim 23, Runkis teaches the method of claim 21, wherein the at least one service comprises at least one of: Runkis, Page 7, paragraph 0078 recites a service being an audio/visual service and rendering and

a Rendering Control service (Runkis, Page 7, paragraph 0078 recites a service being an audio/visual service and rendering control of watching a feature movie).

As to Claim 24, Runkis teaches the method of claim 21, wherein the stored state information is used as control information for late playback of a content from a position where playback of the content is stopped (Runkis, Page 7, paragraph 0078 recites a service being capable of storing the state of playback, and retrieving and rendering at a different location from the point in the rendering where playback was interrupted).

As to Claim 25, Runkis teaches the method of claim 21, wherein the device

includes the at least one service (Runkis, Page 7, paragraph 0078 recites a service

being an audio/visual service and rendering control of watching a feature movie).

As to Claim 26, Runkis teaches a system for delivering content playback related

information, the system comprising:

a server for storing content (Runkis, Page 6, paragraph 0072 recites the use of

the central controller's database as serving multiple PANOs.);

a device including at least one service (Runkis, Page 7, paragraph 0078 recites a

service being an audio/visual service and rendering control of watching a feature

movie); and

a control point for controlling the server and the device (Runkis, Page 6,

paragraph 0073 recites the PANO controlling the central controller server and rendering

device),

wherein the control point:

obtains state information from the at least one service (Runkis, Page 6,

paragraph 0072 recites user-generated data files to be transmitted to the central

controller); and

invokes an action to the server to store the state information in the server

(Runkis, Page 6, paragraph 0072 recites user-generated data files being stored in a

non-volitile storage medium, invoked by the PANO),

wherein the state information is included in the action as an input argument (Runkis, Page 4, paragraph 0049 recites the use of multiple PANO objects which are a superobject encompassing both software and hardware. Page 5, paragraph 0065 recites that the PANO monitors, controls and regulates data transfers across a network. Page 6, paragraph 0073 recites that the server in this PANO network is the central controller's database, wherein the user's preference codes are transferred as an input argument to the central controller).

As to Claim 27, Runkis teaches the system of claim 26, wherein the server stores the state information according the action (Runkis, Page 6, paragraph 0073 recites the central controller's database storing information according to the request of the PANO).

As to Claim 28, Runkis teaches the system of claim 26, wherein the at least one service is related to playback of the content (Runkis, Page 7, paragraph 0078 recites a service being an audio/visual rendering service for of watching a feature movie).

As to Claim 29, Runkis teaches the system of claim 26, wherein the at least one service comprises at least one of:

an AVTransport service (Runkis, Page 7, paragraph 0078 recites a service being an audio/visual rendering service for of watching a feature movie): and

a Rendering Control service (Runkis, Page 7, paragraph 0078 recites a service being an audio/visual rendering service for of watching a feature movie).

As to Claim 30, Runkis teaches the system of claim 29, wherein the server

includes the AVTransport service and the device includes the Rendering Control service

(Runkis, Page 6, paragraphs 0072-0074 describe a system wherein a home computer,

which is be capable of supporting the transport of AV signals to remote rendering

devices which render images and sound, through the use of the PANO superobject and

network).

As to Claim 31, Runkis teaches the system of claim 29, wherein the device

includes both the AVTransport service and the Rendering Control service (Runkis, Page

6, paragraphs 0072-0074 describe the PANO, which is an object of hardware and

software capable of transporting AV signals and rendering images and sound).

As to Claim 32, Runkis teaches the system of claim 27, wherein the state

information stored in the server is used as control information for late playback of the

content from a position where playback of the content is stopped (Runkis, Page 13,

paragraph 0164 recites an example of starting to watch a movie on one PANO in a hotel

room, stopping playback, and resuming playback where she left off on a flight PANO).

As to Claim 33, Runkis teaches the system of claim 27, further comprising a

second control point for reading the state information stored in the server and setting

the read state information to a second device (Runkis, Page 6, paragraph 00764 recites

the retrieval of playback information from the central server via data files to a second

PANO).

As to Claim 34, Runkis teaches a method for delivering content playback related

information between devices, the method comprising:

invoking an action to a device to store state information in the device (Runkis,

Page 6, paragraph 0072 recites user-generated data files being stored in a non-volitile

storage medium),

wherein the state information is included in the action as an input argument

(Runkis, Page 4, paragraph 0049 recites the use of multiple PANO objects which are a

superobject encompassing both software and hardware. Page 5, paragraph 0065

recites that the PANO monitors, controls and regulates data transfers across a network.

Page 6, paragraph 0073 recites that the server in this PANO network is the central

controller's database, wherein the user's preference codes are transferred as an input

argument to the central controller), and

the state information is obtained from at least one service (Runkis, Page 6,

paragraph 0073 recites user-generated data files being stored in the central controller's

database. Page 7, paragraph 0078 recites the data files being part of an AV service).

As to Claim 35, Runkis teaches the method of claim 34, wherein the at least one

service is related to playback of content (Runkis, Page 7, paragraph 0078 recites a

service being an audio/visual service and rendering control of watching a feature

movie).

As to Claim 36, Runkis teaches the method of claim 34, wherein the at least one

service comprises at least one of:

an AVTransport service (Runkis, Page 7, paragraph 0078 recites a service being

an audio/visual service and rendering control of watching a feature movie): and

a Rendering Control service (Runkis, Page 7, paragraph 0078 recites a service

being an audio/visual service and rendering control of watching a feature movie).

As to Claim 37, Runkis teaches the method of claim 34, wherein the stored state

information is used as control information for late playback of a content from a position

where playback of the content is stopped (Runkis, Page 13, paragraph 0164 recites an

example of starting to watch a movie on one PANO in a hotel room, stopping playback,

and resuming playback where she left off on a flight PANO).

As to Claim 38, Runkis teaches the method of claim 34, wherein the device

includes the at least one service (Runkis, Page 7, paragraph 0078 recites a service

being an audio/visual service and rendering by a device).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. These include:

- US 7,085,814 B1 – Data Driven Remote Device Control Model with General Programming Interface-To-Network Messaging Adapter

- US 2005/0262217 A1 – Contents Linkage Information Delivery System

- US 2003/0206728 A1 – Information Recording Method, Information Recording Medium, Information Playback Method, and Information Playback Apparatus

- US 2003/0142956 A1 - Signal Record/Playback Apparatus and Method Featuring Independent Recording and Playback Processing

- US 2002/0165987 A1 – Digital Contents Watching Method and its System

- US 2004/0198217 A1 – Follow-Me Broadcast Reception Method and System

- US 2004/0003073 A1 – Method, System, and Computer Program Product for Managing Controlled Residential or Non-Residential Environments

- US 2003/0133558 A1 – Multiple Call Waiting in a Packetized Communication System

- US 5,867,494 - System, Method and Article of Manufacture with Integrated Video Conferencing Billing in a Communication System Architecture

- Non-Patent Literature, Destiny Networks Announces Follow-me Music and Follow-me TV for the Home; Provides Handsfree Whole-House Entertainment, Pages 1-3 of 3.

- Non-Patent Literature, Destiny Networks Announces Follow-me Music and Follow-me TV, Pages 1-2 of 2.

- Non-Patent Literature, Destiny Networks Announces Follow-me Music and Follow-me TV for the Home: Provides Handsfree Whole-House Entertainment, Published by The Free Library by Farlex, pages 1-2 of 5.
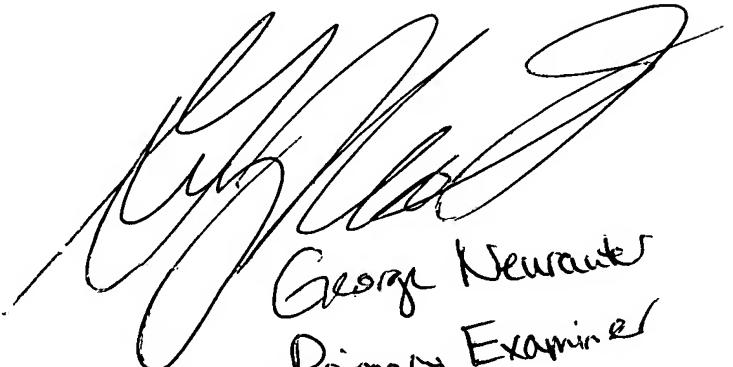
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard G. Keehn whose telephone number is 571-270-5007. The examiner can normally be reached on Monday through Thursday, 7:30am - 6:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Taghi Arani can be reached on 571-272-3787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

RGK
11/06/2007

George Neurauter
Primary Examiner